

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) A solid light pipe arrangement with reduced Fresnel-reflection losses, comprising:
  - a) a light pipe with a solid core comprising a polymer; and
  - b) an optically clear, ~~substrate having first and second sides with an anti-reflective coating on at least one side; that passes more than 96 percent of transmitted light; and~~
  - c) a first side of the substrate being adhered to an end-face of the core of the light pipe by adhesive material so as to create an optically clear interface between the substrate and the end-face that passes more than about 96 percent of transmitted light;
  - d) the substrate being adhered to not more than a single light pipe core end-face; and
  - e) a second side of the substrate, opposite to the first side of the substrate, contacting an anti-reflective coating.
2. (original) The arrangement of Claim 1, wherein the substrate fully covers the end-face of the core.
3. (original) The arrangement of Claim 1, wherein the composition of the adhesive material is chosen to create an optically clear interface between the substrate and the end-face that passes more than about 99 percent of transmitted light
4. (original) The arrangement of Claim 1, wherein the adhesive material is a cyanoacrylate-based adhesive.

5. (original) The arrangement of Claim 1, wherein the adhesive material comprises a polymer-based plastic.
6. (original) The arrangement of Claim 1, wherein the adhesive material is a polymer.
7. (original) The arrangement of Claim 6, wherein the adhesive material is an uncrosslinked polymer.
8. (original) The arrangement of Claim 7, wherein the polymer of the adhesive material is a thermoset polymer.
9. (original) The arrangement of Claim 6, wherein the polymer of the adhesive material is an uncrosslinked, crosslinkable polymer.
10. (original) The arrangement of Claim 9, wherein the polymer of the adhesive material is a thermoset polymer.
11. (original) The arrangement of Claim 6, wherein the polymer of the adhesive material is a crosslinked polymer.
12. (original) The arrangement of Claim 11, wherein the polymer of the adhesive material is a thermoset polymer.
13. (original) The arrangement of Claim 7, 8, 9, 10, 11, or 12, wherein the polymer of the adhesive material is the same type as the polymer of the core.
14. (original) The arrangement of Claim 7, 8, 9, 10, 11, or 12, wherein the adhesive material is made of the same polymeric components as the polymer of the light pipe core.
15. (original) The arrangement of Claim 14, wherein the polymeric components of the adhesive material have the same proportions as in the light pipe core.
16. (original) The arrangement of Claim 1, wherein the substrate comprises a polymer.
17. (original) The arrangement of Claim 16, wherein the polymer of the substrate is an uncrosslinked polymer.
18. (original) The arrangement of Claim 17, wherein the polymer of the substrate is a thermoset polymer.
19. (original) The arrangement of Claim 16, wherein the polymer of the substrate is an uncrosslinked, crosslinkable polymer.

20. (original) The arrangement of Claim 19, wherein the polymer of the substrate is a thermoset polymer.
21. (original) The arrangement of Claim 16, wherein the polymer of the substrate is a crosslinked polymer
22. (original) The arrangement of Claim 21, wherein the polymer of the substrate is a thermoset polymer.
23. (original) The arrangement of Claim 17, 18, 19, 20, 21, or 22, wherein the polymer of the substrate is the same type of polymer as the polymer of the light pipe core.
24. (original) The arrangement of Claim 17, 18, 19, 20, 21, or 22, wherein the substrate is made of the same polymeric components as the polymer of the light pipe core.
25. (original) The arrangement of Claim 24, wherein the polymeric components of the substrate have the same proportions as in the light pipe core.
26. (original) The arrangement of Claim 1, wherein both the adhesive material and the substrate both comprise polymeric material.
27. (original) The arrangement of Claim 26, wherein the polymeric material of the adhesive material is of the same type as the polymeric material of the substrate.
28. (original) The arrangement of Claim 27, wherein the polymeric material of the adhesive material is made of the same polymeric components as the substrate.
29. (original) The arrangement of Claim 28, wherein the polymeric material of the substrate is also made of the same polymeric components as the light pipe core.
30. (original) The arrangement of Claim 28, wherein the polymeric components of the adhesive material have the same proportions as in the substrate.
31. (original) The arrangement of Claim 30, wherein the polymeric components of the adhesive material also have the same proportions as in the light pipe core.
32. (original) The arrangement of Claim 1, wherein the substrate is a plastic film or sheet.
33. (original) The arrangement of Claim 32, wherein the plastic film or sheet is MYLAR polyester.

34. (original) The arrangement of Claim 32, wherein the plastic film or sheet is polycarbonate.

35. (original) The arrangement of Claim 1, wherein the substrate is glass or quartz.

36. (cancelled)

37. (cancelled)

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